



North Harrison R-III School District

12023 Fir Street
Eagleville, Missouri 64442
660-867-5221

November 7, 2023

Dear Shamrocks,

In 2022, Missouri's legislature passed and the Governor signed Senate Bill 681, including the "Get the Lead Out of School Drinking Water Act." The Act requires schools, Pre-K through 12, to test drinking water for lead contamination and to take corrective actions when the lead content meets or exceeds the established action level five (5) parts per billion (ppb). This testing was required by law to be performed before January 1, 2024, and the remediation to take place before August 1, 2024.

We have completed our testing, and out of the 74 test points sampled in our buildings, one (1) was above the 5 parts per billion (ppb) threshold. The hand washing sink in the Ag building tested higher than 5 ppb; although this is not a sink where a student or staff member would drink out of, we are still required to provide appropriate remediation. That remediation is to post a sign near that sink that states it is for "hand washing only," and will be accomplished within the next few days.

As part of the legislative requirements, I am sending you this letter to notify you of the findings and remedial actions, share the lab results on all of our test points, and provide information of community specific resources and the general health effects of lead contamination. You can find that information on the following sheets attached with this letter. This information will also be posted on our website for easy access.

If you have any questions, please do not hesitate to contact me at sickelse@nhr3.net, by phone at 660-867-5222, or stop in anytime. Thanks for what you do in making North Harrison R-III a fantastic place to educate our students.

Sincerely,

Ethan Sickels

Susan Allen, PK-6 Principal (x117)
allens@nhr3.net
Gayla Pottorff, Secretary (x118)
pottorffg@nhr3.net
Fax: 660-867-3397

Dr. Ethan Sickels, Superintendent (x104)
superintendent@nhr3.net
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Alan Koch, 7-12 Principal (x100)
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Equal Opportunity Employer



120 East Davis Street
Fayette, MO 65248-1405
(660) 248-1911
www.inovatia.com

Date: 10/31/2023

RE: Drinking Water Lead Analysis
Facility: North Harrison R-III

Date Received: 09/25/23
Time Received: N/A
Relinquished by: Corrina Alley
Sampler: Sarah Alley

Chain of Custody Number: Pb-0097

Enclosed please find results for the sample(s) received as described above. The values reported are in conformance with internal and method quality control guidelines.

If you have questions or need more information, please contact us.

Thank you for your interest in working with Inovatia Laboratories.

Sincerely,

A handwritten signature in cursive script that reads "Jennifer Vandelicht".

Jennifer Vandelicht
Quality Assurance

Note: Testing Performed by NELAC Facility E87688

Enclosures:
Chain of Custody Record(s)



Analysis Report

Total Lead by ICP-MS

Chain of Custody: Pb-0097

Facility: North Harrison R-III

Sample Matrix: Water

Method of Analysis: EPA 200.8

Laboratory Number	Customer Sample Number	Date Collected	Sample Type	Result ug/L (ppb)	Reporting Limit
Pb-0097-001	NHR3ECC-JAN-MOP-MTP-PS-001	9/21/2023	Draw	ND	1.0
Pb-0097-002	NHR3ECC-ENTR-DF-PS-002	9/21/2023	Draw	ND	1.0
Pb-0097-003	NHR3ECC-JANCLO-DF-PS-003	9/21/2023	Draw	ND	1.0
Pb-0097-004	NHR3ECC-3YR-HS-PS-004	9/21/2023	Draw	ND	1.0
Pb-0097-005	NHR3ECC-3YR-RRF-PS-005	9/21/2023	Draw	ND	1.0
Pb-0097-006	NHR3ECC-TODD-HS PS-006	9/21/2023	Draw	ND	1.0
Pb-0097-007	NHR3ECC-TODD-RRF PS-007	9/21/2023	Draw	ND	1.0
Pb-0097-008	NHR3ECC-INFT-HSR PS-008	9/21/2023	Draw	ND	1.0
Pb-0097-009	NHR3ECC-INFT-HSL PS-009	9/21/2023	Draw	ND	1.0
Pb-0097-010	NHR3ECC-KITCH-DSH PS-010	9/21/2023	Draw	ND	1.0
Pb-0097-011	NHR3ECC-GYM-RRFGR PS-011	9/21/2023	Draw	1.25	1.0
Pb-0097-012	NHR3ECC-GYM-RRFGL PS-012	9/21/2023	Draw	ND	1.0
Pb-0097-013	NHR3ECC-GYM-RRFBL PS-013	9/21/2023	Draw	1.14	1.0
Pb-0097-014	NHR3ECC-GYM-RRFBR PS-014	9/21/2023	Draw	ND	1.0
Pb-0097-015	NHR3EL-3RD-221-HS PS-015	9/21/2023	Draw	ND	1.0
Pb-0097-016	NHR3EL-5TH-222-HS PS-016	9/21/2023	Draw	ND	1.0
Pb-0097-017	NHR3EL-4TH-219-HS PS-017	9/21/2023	Draw	ND	1.0
Pb-0097-018	NHR3EL-1ST-220-HS PS-018	9/21/2023	Draw	ND	1.0
Pb-0097-019	NHR3EL-2ND-217-HS PS-019	9/21/2023	Draw	1.07	1.0
Pb-0097-020	NHR3EL-KIND-218-HS PS-020	9/21/2023	Draw	ND	1.0
Pb-0097-021	NHR3EL-KIND-218-RRF PS-021	9/21/2023	Draw	ND	1.0
Pb-0097-022	NHR3EL-PREK-216-HS PS-022	9/21/2023	Draw	ND	1.0
Pb-0097-023	NHR3EL-PREK-216-RRF PS-023	9/21/2023	Draw	ND	1.0
Pb-0097-024	NHR3EL-SPED-209-HS PS-024	9/21/2023	Draw	1.63	1.0
Pb-0097-025	NHR3EL-215-RRFGR PS-025	9/21/2023	Draw	ND	1.0
Pb-0097-026	NHR3EL-215-RRFGC PS-026	9/21/2023	Draw	ND	1.0
Pb-0097-027	NHR3EL-215-RRFGL PS-027	9/21/2023	Draw	ND	1.0
Pb-0097-028	NHR3EL-211-RRFBL PS-028	9/21/2023	Draw	ND	1.0
Pb-0097-029	NHR3EL-211-RRFBC PS-029	9/21/2023	Draw	ND	1.0
Pb-0097-030	NHR3EL-211-RRFBR PS-030	9/21/2023	Draw	ND	1.0
Pb-0097-031	NHR3EL-NRS-208-HS PS-031	9/21/2023	Draw	ND	1.0
Pb-0097-032	NHR3EL-WKRM-210-HS PS-032	9/21/2023	Draw	ND	1.0
Pb-0097-033	NHR3EL-WKRM-210-RRF PS-033	9/21/2023	Draw	ND	1.0
Pb-0097-034	NHR3EL-ART-207-HSR PS-034	9/21/2023	Draw	ND	1.0
Pb-0097-035	NHR3EL-ART-207-HSL PS-035	9/21/2023	Draw	ND	1.0
Pb-0097-036	NHR3-KITCH-SC PS-036	9/21/2023	Draw	ND	1.0

This report has been produced for the exclusive and confidential use of our clients. Reference to the analyses, the results, or the company is prohibited without obtaining prior written consent.



Analysis Report

Total Lead by ICP-MS

Chain of Custody: Pb-0097
Facility: North Harrison R-III

Sample Matrix: Water
Method of Analysis: EPA 200.8

Laboratory Number	Customer Sample Number	Date Collected	Sample Type	Result ug/L (ppb)	Reporting Limit
Pb-0097-037	NHR3EL-TLRD-206-HS PS-037	9/21/2023	Draw	ND	1.0
Pb-0097-038	NHR3HS-SPED-203-HS PS-038	9/21/2023	Draw	ND	1.0
Pb-0097-039	NHR3HS-SPED-203-RRF PS-039	9/21/2023	Draw	ND	1.0
Pb-0097-040	NHR3EL-HALL-DFR PS-040	9/21/2023	Draw	ND	1.0
Pb-0097-041	NHR3HS-BAND-DW PS-041	9/21/2023	Draw	ND	1.0
Pb-0097-042	NHR3EL-HALL-DW PS-042	9/21/2023	Draw	ND	1.0
Pb-0097-043	NHR3-KITCH-108-DSH-MTP PS-043	9/21/2023	Draw	ND	1.0
Pb-0097-044	NHR3-KITCH-108-DSH PS-044	9/21/2023	Draw	ND	1.0
Pb-0097-045	NHR3-KITCH-108-DSH-SC PS-045	9/21/2023	Draw	ND	1.0
Pb-0097-046	NHR3-KITCH-108-IM PS-046	9/21/2023	Draw	ND	1.0
Pb-0097-047	NHR3-AG-HSR PS-047	9/21/2023	Draw	1.53	1.0
Pb-0097-048	NHR3-AG-HSL PS-048	9/21/2023	Draw	6.49	1.0
Pb-0097-049	NHR3-AG-RRF PS-049	9/21/2023	Draw	ND	1.0
Pb-0097-050	NHR3-AG-DF PS-050	9/21/2023	Draw	ND	1.0
Pb-0097-051	NHR3HS-112-RRFGR PS-051	9/21/2023	Draw	ND	1.0
Pb-0097-052	NHR3HS-112-RRFGL PS-052	9/21/2023	Draw	ND	1.0
Pb-0097-053	NHR3HS-116-RRFB PS-053	9/21/2023	Draw	ND	1.0
Pb-0097-054	NHR3HS-SCI-107-HSF PS-054	9/21/2023	Draw	3.53	1.0
Pb-0097-055	NHR3HS-SCI-107-HSR PS-055	9/21/2023	Draw	1.57	1.0
Pb-0097-056	NHR3HS-SCI-107-HSL PS-056	9/21/2023	Draw	3.68	1.0
Pb-0097-057	NHR3HS-BAND-DF PS-057	9/21/2023	Draw	ND	1.0
Pb-0097-058	NHR3HS-WWHALL-DF PS-058	9/21/2023	Draw	ND	1.0
Pb-0097-059	NHR3HS-WWHALL-DW PS-059	9/21/2023	Draw	ND	1.0
Pb-0097-060	NHR3HS-FACS-105-HS1 PS-060	9/21/2023	Draw	ND	1.0
Pb-0097-061	NHR3HS-FACS-105-HS2 PS-061	9/21/2023	Draw	ND	1.0
Pb-0097-062	NHR3HS-FACS-105-HS3 PS-062	9/21/2023	Draw	ND	1.0
Pb-0097-063	NHR3HS-FACS-HS3-SC PS-063	9/21/2023	Draw	ND	1.0
Pb-0097-064	NHR3HS-SWHALL-DF PS-064	9/21/2023	Draw	ND	1.0
Pb-0097-065	NHR3HS-SWHALL-DW PS-065	9/21/2023	Draw	ND	1.0
Pb-0097-066	NHR3HS-GLKR-HS PS-066	9/21/2023	Draw	ND	1.0
Pb-0097-067	NHR3EL-KIND-218-SC PS-067	9/21/2023	Draw	2.94	1.0
Pb-0097-068	NHR3EL-1ST-220-SC PS-068	9/21/2023	Draw	ND	1.0
Pb-0097-069	NHR3HS-BLKR-HS PS-069	9/21/2023	Draw	ND	1.0
Pb-0097-070	NHR3EL-SPED-209-SC PS-070	9/21/2023	Draw	1.02	1.0
Pb-0097-071	NHR3EL-2ND-217-SC PS-071	9/21/2023	Draw	3.71	1.0
Pb-0097-072	NHR3HS-FACS-105-HS2-SC PS-072	9/21/2023	Draw	ND	1.0

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Analysis Report

Total Lead by ICP-MS

Chain of Custody: Pb-0097

Facility: North Harrison R-III

Sample Matrix: Water

Method of Analysis: EPA 200.8

Laboratory Number	Customer Sample Number	Date Collected	Sample Type	Result ug/L (ppb)	Reporting Limit
Pb-0097-073	NHR3HS-FACS-105-HS1-SC PS-073	9/21/2023	Draw	ND	1.0
Pb-0097-074	NHR3ECC-KITCH-SC PS-074	9/21/2023	Draw	1.55	1.0



Lead Testing Initial Test Results

We received the results from the first round of lead testing. In accordance with statute, these results are being communicated to parents and staff.

Total test points sampled—74

- Total samples with lead detected—13 (17.6%)
- Total samples above the action level of 5 parts per billion (ppb)—1 (1.35%)
- See Lab sheet for individual results; ND is none detected.

Immediate actions:

In accordance with guidance from the EPA, the affected faucets or outlets should have signage placed to indicate it is non-potable, not for drinking, or washing dishes. This signage can be temporary since testing is still in progress to localize the source of lead contaminants.

The actionable sample result is from a hand sink in the Ag room, and should have signage placed to indicate it is “non potable” or “do not use” until testing and remediation is complete.

Next steps:

Follow up flush samples will be collected per EPA and DHSS testing guidelines. Scheduled for November, 2023.

Health:

Harrison County Health Department

harrisoncountyhealthdept.org

[1700 Bethany Ave, Bethany MO 64424](https://www.bethany-mo.gov/1700-Bethany-Ave)

[\(660\) 425-6324](tel:6604256324)

Additional information and resources on the health effects of lead contamination are available here:

<https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water#health>



[Basic Information about Lead in Drinking Water | US EPA](#)

Questions and answers about lead in drinking water -- health effects, EPA regulations e

www.epa.gov

Lab report and flush sampling plan are available on the school website.

Testing criteria:

Each sample was tested for total lead content which includes dissolved and particulate. The elevated level is defined as a level of lead ≥ 5 ppb. Sampling was conducted per EPA test guidelines by initial draw after stagnation (periods of non-use that exceed eight hours). This manner of testing is the first step in localization and is paired with follow-up flush testing to further localize the source of any elevated levels.

Explanation of results:

74 test samples were submitted for testing. 13 were returned with detectable levels. 1 initial draw sample tested ≥ 5 ppb total lead. See the follow-up flush plan for required test points.

What this means:

- The initial sample test is used to determine if there is an appreciable amount of lead of more than 5ppb present in the outlet being tested.
- The lab report shows that 13 outlets (test point) have lead being leached into the water during the mandatory stagnation period.
- Follow-up flush samples will be conducted to determine the source of the contaminants. The flush test point plan lists the test point and the noun nomenclature for reference.

Remediation:



These are efforts to mitigate and correct the levels of lead to which children and staff are exposed: The remediation plan will be posted when follow-up flush testing results are received and fiduciary constraints as well as maintenance availability have been considered.

Recommend Placing a “hand washing only” sign at the Ag room hand sink.